

WHAT IS CLAIMED IS:

1. A semiconductor laser device, comprising: a first conductivity type cladding layer; an active layer; and a second conductivity type cladding layer,
5 which are on a substrate,
wherein the semiconductor laser device further comprises a stripe structure for injecting carriers therein,
a width of the stripe is wider at a front end face of a resonator from which laser light is emitted than at a rear end face that is located on an
10 opposite side of the front end face, and
a reflectance of the front end face is lower than a reflectance of the rear end face.
2. The semiconductor laser device according to claim 1, wherein at
15 least the active layer comprises a Group III-V nitride based semiconductor material.
3. The semiconductor laser device according to claim 2, wherein at
least the active layer comprises an AlGaAs based semiconductor material.
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4. The semiconductor laser device according to claim 2, wherein at
least the active layer comprises an AlGaInP based semiconductor material.
5. The semiconductor laser device according to claim 1, wherein a ratio
25 between the stripe width at the front end face and the stripe width at the rear end face satisfies a relationship of $1 < (\text{the stripe width at the front end face}) / (\text{the stripe width at the rear end face}) < 2$.
6. The semiconductor laser device according to claim 5, wherein the
30 ratio between the stripe width at the front end face and the stripe width at the rear end face satisfies a relationship of $1.4 < (\text{the stripe width at the front end face}) / (\text{the stripe width at the rear end face}) < 1.8$.
7. The semiconductor laser device according to claim 1, wherein the
35 width of the stripe decreases continuously from the front end face toward the rear end face.

8. The semiconductor laser device according to claim 1,
wherein the stripe structure has a region in which the width of the
stripe varies continuously and a region in which the width of the stripe is
constant, and

5 the stripe width at a boundary between the respective regions varies
seamlessly.

9. The semiconductor laser device according to claim 1, wherein the
stripe structure has regions adjacent to the front end face and the rear end
10 face, the regions respectively extending inwardly from the front end face
and the rear end face and each having a constant stripe width.

10. The semiconductor laser device according to claim 9, wherein the
regions having the constant stripe widths extend inwardly from the front
15 end face and the rear end face, respectively, by a length of one-twentieth or
shorter of a length of the resonator.

11. The semiconductor laser device according to claim 1, wherein the
reflectance of the front end face is lower than the reflectance of the rear end
20 face by 15% or more.